

NFQ1

## Chemical Properties

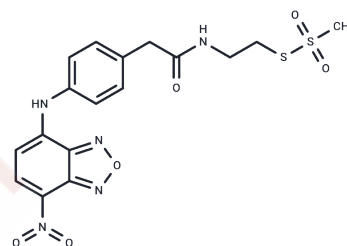
CAS No. : 1262391-07-0

Formula: C17H17N5O6S2

Molecular Weight: 451.48

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	NFQ1, a non-fluorescent quencher (absorption wavelength: 474 nm), is used for a new type of One Sample Fluorescence Resonance Energy Transfer (OS-FRET) method, enabling measurement of unquenched donor emission in the same sample. NFQ1 shows a broad absorption spectrum, ensuring its utility as a dark acceptor for many donors [1].
Targets(IC50)	Others
In vitro	NFQ1 is used for the One Sample Fluorescence Resonance Energy Transfer (OS-FRET) method, employing a novel, non-fluorescent methanethiosulfonate-linked acceptor that can be reversibly coupled to a target sulfhydryl residue via a disulfide bond. After quantitating the quenched donor emission, the acceptor is removed by reduction, enabling measurement of unquenched donor emission in the same sample [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2149 mL	11.0747 mL	22.1494 mL
5 mM	0.443 mL	2.2149 mL	4.4299 mL
10 mM	0.2215 mL	1.1075 mL	2.2149 mL
50 mM	0.0443 mL	0.2215 mL	0.443 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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